

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U110519\
 Data File : VU035635.D
 Acq On : 05 Nov 2019 16:55
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05036

Quant Time: Nov 06 03:07:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 06 03:03:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.30	114	664392	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	653795	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	302960	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	203660	37.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.90%
7) Chloroethane-d5	1.93	69	178433	41.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.28%
11) 1,1-Dichloroethene-d2	2.60	63	348250	41.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.46%
21) 2-Butanone-d5	4.69	46	300846	95.98	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.98%
24) Chloroform-d	5.12	84	388255	46.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.70%
26) 1,2-Dichloroethane-d4	5.75	65	228993	45.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.22%
32) Benzene-d6	5.77	84	767729	45.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.10%
36) 1,2-Dichloropropane-d6	6.74	67	253743	45.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.82%
41) Toluene-d8	7.93	98	713805	44.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.82%
43) trans-1,3-Dichloropropene-	8.21	79	116841	45.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.80%
47) 2-Hexanone-d5	8.68	63	206077	97.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.29%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	379154	48.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.48%
64) 1,2-Dichlorobenzene-d4	12.22	152	272900	44.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.32%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	245299	47.342 ug/L	100
3) Chloromethane	1.54	50	266287	47.156 ug/L	100
5) Vinyl chloride	1.62	62	284411	46.809 ug/L	99
6) Bromomethane	1.87	94	155651	50.577 ug/L	94
8) Chloroethane	1.95	64	169484	47.960 ug/L	98
9) Trichlorofluoromethane	2.16	101	356123	49.480 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	208179	50.383 ug/L	99
12) 1,1-Dichloroethene	2.61	96	196576	48.436 ug/L	97
13) Acetone	2.67	43	244681	88.724 ug/L	99
14) Carbon disulfide	2.83	76	558203	44.643 ug/L	99
15) Methyl Acetate	2.99	43	238392	47.726 ug/L	98
16) Methylene chloride	3.09	84	241135	48.694 ug/L	95
17) trans-1,2-Dichloroethene	3.40	96	208645	48.818 ug/L	99
18) Methyl tert-butyl Ether	3.42	73	650954	50.377 ug/L	99
19) 1,1-Dichloroethane	3.92	63	403934	48.995 ug/L	99
20) cis-1,2-Dichloroethene	4.72	96	242961	50.400 ug/L	96
22) 2-Butanone	4.77	43	351326	96.506 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.03	128	130173	51.101	ug/L	95
25) Chloroform	5.14	83	414185	49.466	ug/L	99
27) 1,2-Dichloroethane	5.84	62	302443	49.441	ug/L	99
29) Cyclohexane	5.43	56	327819	49.158	ug/L	98
30) 1,1,1-Trichloroethane	5.37	97	345635	50.298	ug/L	99
31) Carbon tetrachloride	5.57	117	307397	50.309	ug/L	99
33) Benzene	5.82	78	918561	49.991	ug/L	100
34) Trichloroethene	6.58	95	225914	48.362	ug/L	97
35) Methylcyclohexane	6.80	83	343170	50.583	ug/L	99
37) 1,2-Dichloropropane	6.84	63	248309	50.464	ug/L	100
38) Bromodichloromethane	7.15	83	307078	49.098	ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	375163	51.295	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	630962	95.850	ug/L	98
42) Toluene	8.01	91	1004260	52.148	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	337852	50.394	ug/L	98
45) 1,1,2-Trichloroethane	8.44	97	237325	50.320	ug/L	99
46) Tetrachloroethene	8.58	164	199567	51.093	ug/L	98
48) 2-Hexanone	8.73	43	489215	91.388	ug/L	92
49) Dibromochloromethane	8.84	129	273369	51.398	ug/L	98
50) 1,2-Dibromoethane	8.96	107	257233	51.120	ug/L	99
51) Chlorobenzene	9.48	112	654244	50.889	ug/L	99
52) Ethylbenzene	9.60	91	1051178	51.058	ug/L	98
53) m,p-Xylene	9.73	106	413795	53.563	ug/L	95
54) o-xylene	10.13	106	402121	53.256	ug/L	100
55) Styrene	10.14	104	664090	52.996	ug/L	98
56) Isopropylbenzene	10.51	105	1012793	53.377	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	409372	50.392	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	317828	49.538	ug/L	99
61) Bromoform	10.32	173	214647	46.441	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	459996	48.130	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	445714	45.907	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	460380	47.316	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	66002	43.751	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	244425	44.267	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	132513	35.827	ug/L	98
69) Naphthalene	14.11	128	295406	31.138	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	146078	36.655	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

